

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (Original) A method for arithmetic expression optimization, comprising:

receiving a first instruction defined for a first processor having a first base, said

instruction including an operator and at least one operand;

converting said first instruction to a second instruction optimized for a second

processor having a second base when said at least one operand does not carry

potential overflow beyond said second base or when said operator is insensitive

to

overflow, said second base smaller than said first base; and

converting to a wider base a third instruction that is the source of potential overflow

associated with said at least one operand when said at least one operand carries

the potential for overflow beyond said second base and when said operator is

sensitive to overflow, said third instruction having been previously optimized,


said wider base larger than said second base and smaller or equal to said first

base.
- 2.-44. (Cancelled)

Dated: October 13, 2003

Thelen Reid & Priest LLP
P.O. Box 640640
San Jose, CA 95164-0640

Respectfully submitted,
THELEN REID & PRIEST, LLP



John P. Schaub
Reg. No. 42,125